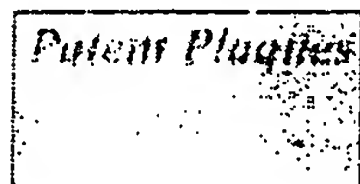




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JP10127563A2: ENDOSCOPE UNIT

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Country: **JP Japan**

Kind:

Inventor(s): **OZAWA TSUYOSHI**

Applicant(s): **OLYMPUS OPTICAL CO LTD**
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Issued/Filed Dates: **May 19, 1998 / Oct. 30, 1996**

Application Number: **JP1996000287723**

IPC Class: **A61B 1/00;**

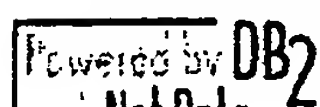
Abstract: **Problem to be solved:** To produce a high quality fluorescent image, by providing a light source capable of radiating excitation light to produce fluorescence in the body tissue onto a illuminating light transmission means of an endoscope and a high sensitivity imaging means on a proximate side of a probe to be inserted into a channel of an endoscope.

Solution: In a case an ordinary observation is to be carried out, a light source lamp 5 is turned up in a condition that an optical filter 6 is withdrawn from the optical path of the illuminating light, an image of tissue is taken by an imaging element provided on the tip end of an endoscope. On the other hand, in a case a fluorescent observation is to be carried out, a switch 9 of an operation part 8 is operated to transmit a switch signal to a switch control part 7 to insert an optical filter 6 into the optical path of the illuminating light. Thereby white light is transmitted to a light guide 3 to irradiate an object as excitation light. A control signal from the switch control part 7 is respectively transmitted to a high sensitivity imaging element 15, a shutter 16, a video processing part 19, and an output signal control part 20 to display the optical image from the object on a monitor TV 21.

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Other Abstract Info: **DERABS G98-340924 DERG98-340924**

Foreign References: **(No patents reference this one)**



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